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**HS/XII/V/CT/Paper-VI/22**

**2 0 2 2**

**COMPUTER TECHNIQUE**

( Vocational Stream )

**( Computer Commercial Application )**

**( Theory )**

*Full Marks : 100*

*Time : 3 hours*

*The figures in the margin indicate full marks for the questions*

GROUP—A

**( Introduction to Statistical Techniques )**

1. Fill in the blanks from the choices given in the table below : 1×10=10
- (a) The median of 3, 2, 4, 1, 5 is \_\_\_\_\_.
- (b) The mode of 3, 2, 1, 3, 2 is \_\_\_\_\_.
- (c) The arithmetic mean of 3, 4, 5, 6, 7 is \_\_\_\_\_.
- (d) The average of 2, 4, 6 is \_\_\_\_\_.
- (e) The standard deviation of values whose variance is 1.04 is \_\_\_\_\_.
- (f) Variance of data set whose sum of squares is 200 and number of observations is 5 is \_\_\_\_\_.

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(g) Weighted arithmetic mean of marks obtained and weights assigned to the subjects of student whose sum of product of marks and weight is 541 and sum of weights is 11 is \_\_\_\_\_.

(h) Harmonic mean of 2 and 4 is \_\_\_\_\_.

(i) The geometric mean of 4 and 9 is \_\_\_\_\_.

(j) 0.2 a \_\_\_\_\_ correlation coefficient.

Choices table :

1.01, 3, 2, 4, 5, 40, 49.18, 6, 2.67, strong, weak
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2. Define the following in 1 or 2 sentence(s) each (any five) :  
2×5=10

(a) Mode

(b) Median

(c) Average

(d) Arithmetic mean

(e) Standard deviation

(f) Variance

(g) Standard error

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3. Solve any *two* of the following : 5×2=10

(a) Find the mean deviation about the mean for the following data :

3, 6, 6, 7, 8, 11, 15, 16

(b) Find the standard deviation for the following data :

1, 3, 5, 7

(c) Find the standard error of mean of given observations; whose standard deviation is 15.81 :

10, 20, 30, 40, 50

GROUP—B

( **Simple Accounting** )

4. Fill in the blanks from the list of words or phrases given below : 1×10=10

(a) Goodwill is an example of \_\_\_\_\_ asset.

(b) Accounts which relate to person is called as \_\_\_\_\_.

(c) \_\_\_\_\_ means the business entity will exist for a long period of time.

(d) The giver in personal account falls under \_\_\_\_\_ according to golden rule of accounting.

(e) Every business transaction affects \_\_\_\_\_ accounts in double-entry system of bookkeeping.

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- (f) Example of mode of accounting is \_\_\_\_.
- (g) A \_\_\_\_ is a list of all accounts.
- (h) \_\_\_\_ is the process of transferring the entries in journal to ledger.
- (i) \_\_\_\_ displays the transactions relating to buying and selling of goods.
- (j) \_\_\_\_ is the profit after tax and other expenses.

*List of words or phrases :*

Trading Account, two , Vouchers, Credit, intangible, Personal Account, Chart of Account, Going concern, Posting, Net profit.
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5. Define any *five* of the following in 1 or 2 sentence(s) each : 2×5=10

- (a) Transaction
- (b) Receipt
- (c) Trial Balance
- (d) Sundry Creditors
- (e) Ledger
- (f) Journal
- (g) Real Account

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6. Write on any *five* of the following : 2×5=10

- (a) Mode of Accounting
- (b) Types of Account
- (c) Accounting Statements
- (d) Cash Book
- (e) Balance Sheet
- (f) Depreciation
- (g) Sundry Debtors

7. Journalize the following transactions in the books of Varun as on October 2018 : 10

*Days*

- 1 Purchased machinery of ₹ 950 and paid ₹ 50 for freight
- 3 Purchased goods for ₹ 1,500 and amount paid by bank
- 6 Purchased laptop from Nagesh & Co. worth ₹ 18,000 @ 18% GST
- 10 Deposited to Bank of Baroda by cash ₹ 700
- 12 Paid into Bank ₹ 400 and commission of ₹ 30
- 15 Bought goods from Tushar Company Ltd. ₹ 1200 at 12% GST and paid ½ amount by RTGS

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*Days*

- 16 Cash purchased ₹ 500 amount paid by cheque
- 20 Invoiced goods to Satish ₹ 800 at 12% GST and amount received by cheque
- 25 Telephone charge paid of ₹ 900
- 31 Paid for advertisement ₹ 800 and brokerage of ₹ 120

GROUP—C

**( Marketing and Salesmanship )**

8. Define any *five* of the following in 1 or 2 sentence(s) each : 2×5=10
- (a) Marketing campaign
  - (b) Non-traditional marketing
  - (c) Services
  - (d) Brand marketing
  - (e) Pricing
  - (f) Promotion
  - (g) Salesmanship
9. Write short notes on any *four* of the following : 2½×4=10
- (a) Marketing concepts
  - (b) Characteristics of service

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- (c) Marketing plan
- (d) Types of salesman
- (e) Sales skill

**10.** What are effective sales techniques? 5

**11.** What are advertising techniques? 5

*Or*

What are the functions of business organisation?

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